## ABSTRACT OF THE DISCLOSURE

An automated chemical synthesizer including a plurality of reaction vessels and an execution time calculator.

Synthetic reactions are to be carried out in the plurality of reaction vessels according to a synthesizing process. The execution time calculator is configured to calculate presumed execution time to carry out a predetermined scope of the synthesizing process before the predetermined scope of the synthesizing process is actually carried out.

H:\Shimadzu\44060012.pa.wpd

5

10 The proof of th

And a second control of the second control o